Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-005-20035

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Cato San Andres Unit

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 124

2. Name of Operator: Cano Petro of New Mexico, Inc.

9. OGRID Number: 330485

3. Address of Operator: 801 Cherry Street Suite 3200 Unit 25 Fort Worth, TX 76102

10. Pool name or Wildcat: Cato; San Andres

4. Well Location
Unit Letter M 660 feet from the S line and 660 feet from the W line
Section 16 Township 08S Range 30E NMPM County Chaves

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 4108

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPNS. | ☐ | P AND A | ☒ |
| PULL OR ALTER CASING | ☐ | MULTIPLE COMPL | ☐ | CASING/CEMENT JOB | ☐ | | |
| DOWNHOLE COMMINGLE | ☐ | | | | | | |
| CLOSED-LOOP SYSTEM | ☐ | | | | | | |
| OTHER: | ☐ | | | OTHER: | ☐ | | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See documents below.

Spud Date: | Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Ethan Wakefield TITLE: Authorized Representative DATE 8/20/24

Type or print name: Ethan Wakefield E-mail address: e.wakefield@dwsrigs.com PHONE: 405-343-7736

**For State Use Only**

APPROVED BY: _____ TITLE _____ DATE _____

# Cano Petro Inc./NMOCD OWP

## Plug And Abandonment End Of Well Report

**Cato San Andres Unit #124**

660' FSL & 660' FWL, Section 16, T8S, R30E

Chaves County, NM / API 30-005-20035

**Work Summary:**

**2/26/21** Made NMOCD P&A operations notifications at 12:00 PM MST.

**3/1/21** MOL and R/U P&A rig. Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Leveled out location for P&A rig. P/U casing scraper and 31 joints of tubing and tallied in the wellbore to a depth of 960'. Tagged up at a tight spot at 960' but was able to work through and make progress down wellbore. Continued to tally in the wellbore to a depth of 1,530' where another tight spot was encountered. Attempted to work through tight spot at 1,530' but was unsuccessful. TOOH and L/D casing scraper. Casing scraper was filled with sand/formation. Tubing was full of fluid while tripping out of wellbore. Shut-in well for the day.

**3/2/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U casing scraper and TIH to 1,530' where casing scraper tagged up. Was able to work casing scraper down to 1,604'. R/U power swivel. Pumped 12 bbls of fresh water to establish circulation. Pumped 25 bbls of fresh water and established a rate of 1.2 bbl/min at 240 psi. TOOH with casing scraper and got hung up but worked free and drug casing scraper up hole to 964' where it came free. After casing scraper came free both tubing and casing released pressure and returned drilling mud and formation to pit. Kerry Fortner requested attempting to drill further. DWS 26 will move over to the Cato San Andres Unit #124 once the Cato San Andres Unit #123 is completed. DWS 31 R/D and MOL to the Cato San Andres Unit #103. Shut-in well for the day.

**3/10/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Traveled to Cato San Andres Unit #123 and checked water flow. Water flow at surface had stopped. R/D P&A rig and MOL. MOL and R/U P&A rig on the Cato San Andres Unit #124. While rigging up rig the hydraulic pump failed. A new hydraulic pump will be delivered tonight. Shut-in well for the day.

**3/11/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U P&A rig. N/U BOP and function tested. P/U and M/U 3-7/8" bit, bit sub, and 2 drill collars. TIH with 27 joints of tubing. When slips were set wellhead collapsed. TOOH and L/D work string and BHA. N/D BOP. R/U welder to repair wellhead. Welder repaired wellhead by welding on 4 ½" collar for support. R/U wellhead. N/U BOP and function tested. Shut-in well for the day.

**3/12/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH with work string and tagged up at 965'. R/U power swivel. Worked down to a depth of 1,595'. Circulated the wellbore with fresh water and got back gas returns. Circulated out gas. R/D power swivel. TOOH and L/D bit. Shut-in well for the day.

**3/15/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U and M/U 3-7/8" cone bit, bit sub, 2 drill collars, and 31 joints of tubing to a depth of 965' where a tag point was encountered. Worked through tight spot down to a depth of 1,380' where another tag point was worked through. Continued making progress down hole to 1,595'. R/U power swivel. P/U 1 joint of tubing down to 1,585' and established circulation with 10 bbls of fresh water. Drilled down to 1,595' and stopped pumping for 30 minutes. PUH to 1,564' where collars on work string kept hanging up on what felt like parted casing. Drilled down to 1,632' and got back casing and a small amount of drilling mud in returns. TOOH with tubing and tubing kept hanging up on parted casing up to a depth of 965'. L/D drill collars and BHA. Kerry Fortner approved setting balanced plugs from the deepest depth that could be reached at 25 sx at a time. P/U and M/U mule shoe sub. TIH to 1,638'. R/U cementing services. Loaded tubing and established circulation with 5 bbls of fresh water. Pumped plug #1 from 1,638'-1,277' to cover the San Andres perforations and formation top and Yates formation top. L/D 12 joints of tubing and TOOH with the rest of the work string. L/D BHA. WOC overnight. Shut-in well for the day.

**3/16/21** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U and M/U tag sub. TIH and tagged plug #1 top at 1600'. Circulated wellbore with 5 bbls of fresh water. R/U cementing services. Pumped another 30 sx Class C cement on top of plug #1 from 1,600'-1,136' to cover the Yates formation top. WOC 4

hours. TIH and tagged plug #1 top at 1,570'. R/U cementing services. Pumped another 30 sx of cement on top of plug #1 from 1,570'-1,136' to cover the Yates formation top. WOC overnight. Shut-in well for the day due to high winds.

**3/17/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U tag sub. TIH and tagged plug #1 top at 1,558'. R/U cementing services. Loaded tubing and established circulation with 6 bbls of fresh water. Pumped 40 sx of cement on top of plug #1 top from 1,558'-980' to cover the Yates and Rustler formation tops. TOOH and L/D tag sub. WOC 4 hours. TIH and tagged plug #1 top at 1,440'. R/U cementing services. Pumped 40 sx of cement on top of plug #1 top from 1,440'-862' to cover the Yates and Rustler formation tops. TOOH and L/D tag sub. WOC 4 hours. TIH and tagged plug #1 top at 1,400'. R/U cementing services. Pumped 50 sx of cement on top of plug #1 top from 1,400'-677' to cover the Rustler formation top. TOOH and L/D tag sub. WOC overnight. Shut-in well for the day.

**3/18/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U and M/U tag sub. TIH and tagged plug #1 top at 1,380'. R/U cementing services. Circulated wellbore with 4 bbls of fresh water. Pumped 50 sx of cement from 1,380'-657' to cover the Rustler formation top. TOOH and L/D tag sub. WOC 4 hours. TIH and tagged plug #1 top at 1,360'. Kerry Fortner requested to spot a balanced plug from 1,070'-500' to cover the Rustler formation top. If the balanced plug falls out a CR will be set and 50 sx of cement will be squeezed beneath CR. L/D tubing to an EOT depth of 1,074'. R/U cementing services. Circulated wellbore with 2.5 bbls of fresh water. Pumped a balanced plug from 1,074'-496' to cover the Rustler formation top. WOC 4 hours. TIH and attempted to tag plug #2 but never tagged cement. TOOH with work string. R/U wireline services. Made gauge ring run to 714'. P/U CR, TIH and set at 700'. Stung out of CR and circulated wellbore with 12 bbls of fresh water. Stung back into CR and established an injection rate of 1.7 bpm at 600 psi below CR. Pumped 50 sx of cement below CR at 700' to cover the Rustler formation top. During displacement cement started coming out of surface casing. Stung out of CR and circulated wellbore with 13 bbls of fresh water. Shut-in well for the day.

**3/19/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U wireline services. Ran CBL from 700' to surface. CBL results were sent to NMOCD office for review. CBL indicated good cement behind casing from 700' to surface. Kerry Fortner approved setting a balanced plug from 700' to surface and perform wellhead cut-off. TIH with tubing to 700'. R/U cementing

services. Pumped surface plug from CR at 700' to surface to cover the surface casing shoe. L/D tubing to surface. R/D P&A rig. WOC over the weekend before wellhead will be cut-off. Dug-out wellhead to perform wellhead cut-off. Shut-in well for the day.

**3/23/21** Checked well pressures: Tubing: N/A, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Performed wellhead cut-off. Cement was 6" down in production casing and 5' down in surface casing. Installed P&A marker and plate per NMOCD standards. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. Material Left on location: wellhead.

**Plug Summary:**

**Plug #1: (San Andres Perforations and Formation Top, Yates Formation Top 1,638'-1,360', 265 Sacks Class C Cement)**

Pumped plug #1 from 1,638'-1,277' to cover the San Andres perforations and formation top and Yates formation top. L/D 12 joints of tubing and TOOH with the rest of the work string. L/D BHA. WOC overnight. TIH with work string to 1,600'. Circulated wellbore with 5 bbls of fresh water. R/U cementing services. Pumped another 30 sx Class C cement on top of plug #1 from 1,600'-1,136' to cover the Yates formation top. WOC 4 hours. TIH and tagged plug #1 top at 1,570'. R/U cementing services. Pumped another 30 sx of cement on top of plug #1 from 1,570'-1,136' to cover the Yates formation top. WOC overnight. TIH and tagged plug #1 top at 1,558'. R/U cementing services. Loaded tubing and established circulation with 6 bbls of fresh water. Pumped 40 sx of cement on top of plug #1 top from 1,558'-980' to cover the Yates and Rustler formation tops. TOOH and L/D tag sub. WOC 4 hours. TIH and tagged plug #1 top at 1,440'. R/U cementing services. Pumped 40 sx of cement on top of plug #1 top from 1,440'-862' to cover the Yates and Rustler formation tops. TOOH and L/D tag sub. WOC 4 hours. TIH and tagged plug #1 top at 1,400'. R/U cementing services. Pumped 50 sx of cement on top of plug #1 top from 1,400'-677' to cover the Rustler formation top. TOOH and L/D tag sub. WOC overnight. TIH and tagged plug #1 top at 1,380'. R/U cementing services. Circulated wellbore with 4 bbls of fresh water. Pumped 50 sx of cement from 1,380'-657' to cover the Rustler formation top. TOOH and L/D tag sub. WOC 4 hours. TIH and tagged plug #1 top at 1,360'.

**Plug #2: (Surface Casing Shoe 1,074'-Surface, 152 Sacks Class C Cement)**

Pumped a balanced plug from 1,074'-496' to cover the Rustler formation top. WOC 4 hours. TIH and attempted to tag plug #2 but

never tagged cement. TOOH with work string. R/U wireline services. Made gauge ring run to 714'. P/U CR, TIH and set at 700'. Stung out of CR and circulated wellbore with 12 bbls of fresh water. Stung back into CR and established an injection rate of 1.7 bpm at 600 psi below CR. Pumped 50 sx of cement below CR at 700' to cover the Rustler formation top. During displacement cement started coming out of surface casing. Stung out of CR and circulated wellbore with 13 bbls of fresh water. Ran CBL from 700' to surface. CBL results were sent to NMOCD office for review. CBL indicated good cement behind casing from 700' to surface. Kerry Fortner approved setting a balanced plug from 700' to surface and perform wellhead cut-off. TIH with tubing to 700'. R/U cementing services. Pumped surface plug from CR at 700' to surface to cover the surface casing shoe. L/D tubing to surface. R/D P&A rig. WOC over the weekend before wellhead will be cut-off. Dug-out wellhead to perform wellhead cut-off. Performed wellhead cut-off. Cement was 6" down in production casing and 5' down in surface casing. Installed P&A marker and plate per NMOCD standards. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL.

# Wellbore Diagram

**Cato San Andres Unit #124**
**API #: 30-005-20035**
**Chaves County, New Mexico**

**Plug 2**

1074 feet - Surface

1074 feet plug

152 sacks of Class C Cement

**Plug 1**

1638 feet - 1360 feet

278 feet plug

265 sacks of Class C Cement

**Surface Casing**

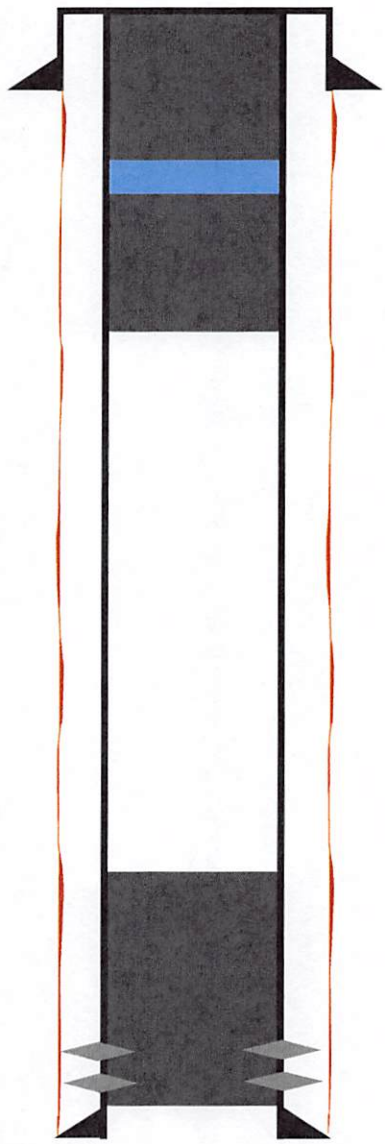
**8.625" 20# @ 452 ft**

**Retainer @ 700 feet**

**Formation**

**Rustler - 1072 ft**

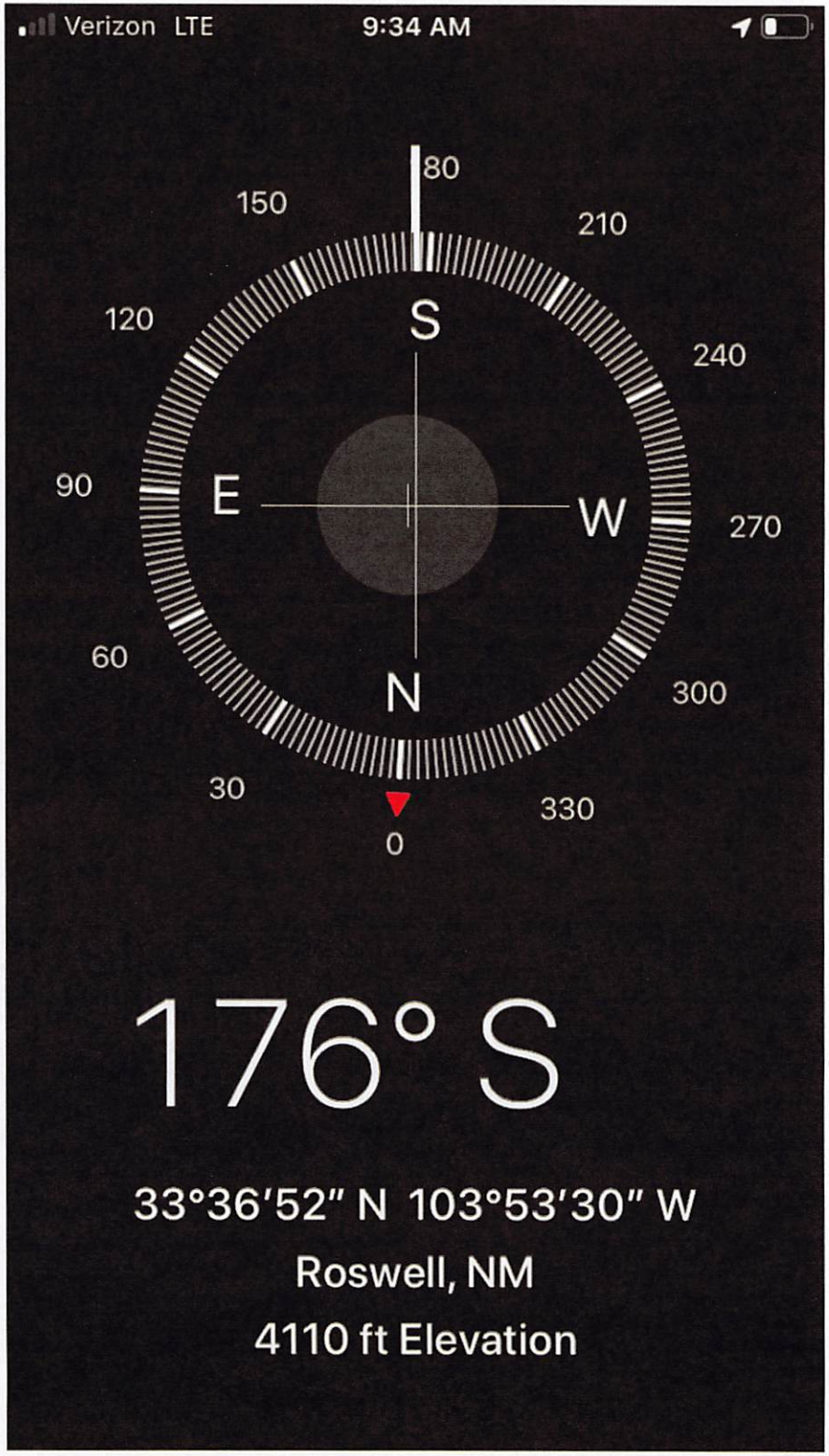
**Yates - 1545 ft**



**Production Casing**

**4.5" 9.5# @ 3500 ft**


Z1584H
API# 30-025-20035 Well #124
Lease Name: Eagle San Andres Unit


Verizon LTE
9:34 AM
80
150
210
120
S
240
90
E
W
270
60
N
300
30
330
0
176° S
33°36′52″ N 103°53′30″ W
Roswell, NM
4110 ft Elevation

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# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

CONDITIONS

Action 378485

## CONDITIONS

| | |
|---|---|
| Operator:<br>CANO PETRO OF NEW MEXICO, INC.<br>801 Cherry Street<br>Fort Worth, TX 76102 | OGRID:<br>248802 |
| | Action Number:<br>378485 |
| | Action Type:<br>[C-103] Sub. Plugging (C-103P) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| loren.diede | None | 8/28/2024 |